



**University of Miskolc,
Hungary**



**MultiScience - XXVIII. microCAD
International Multidisciplinary
Scientific Conference
10-11 April 2014**

PROGRAMME

SCIENTIFIC COMMITTEE OF THE CONFERENCE

Chairman:	Tamás KÉKESI	Pro-Rector for International Relations and Scientific Affairs
Members:	Péter SZÜCS	Dean of the Faculty of Earth Science and Engineering
	Zoltán GÁCSI	Dean of the Faculty of Materials and Metallurgical Engineering
	Edgárd BERTÓTI	Dean of the Faculty of Mechanical Engineering and Informatics
	Ákos FARKAS	Dean of the Faculty of Law
	György KOCZISZKY	Dean of the Faculty of Economics
	Mária KOVÁCS ILLÉS	Dean of the Faculty of Humanities
	Emőke KISS-TÓTH	Dean of the Faculty of Health Sciences

DETAILED PROGRAMME

of the MultiScience - XXVIII. microCAD International Multidisciplinary Scientific Conference
University of Miskolc, 10-11 April 2014

10 April (Thursday) 2014

10⁰⁰ – 10¹⁰ **International Scientific Conference**
Opening address
András TORMA – professor, Rector of the University of Miskolc
Venue: Lecture hall **III.**, Bld. A/4. ground floor

PLENARY SESSION

Venue: Lecture hall **III.**, Bld. A/4. ground floor

10¹⁰ – 10⁵⁰ **Tomas HAVLIK** professor, Technical University of Kosice, Slovakia
Perspectives of Metal Bearing Wastes Recycling

10⁵⁰ – 11³⁰ **Péter SZŰCS** professor, dean, University of Miskolc, Hungary
The Role of Hydrogeology in the Carpathian Basin

11³⁰ – 12¹⁰ **János FÖLDESSY** professor, University of Miskolc, Hungary
From the Past to the Future - Strategic Raw Materials Research Programs in the University of Miskolc

12¹⁰ – 12³⁰ *Break*

12³⁰ – 13³⁰ **Reception**
Venue: Main Building A/4. Assembly Hall (*Entry: only with invitation cards*)

13³⁰ – 14⁰⁰ *Break*

14⁰⁰ – 18⁰⁰ **Presentations in the parallel sessions**
Venue: as listed in the section table

19⁰⁰ – 21³⁰ **Gala Dinner**
Venue: Main Building A/4. Assembly Hall (*Entry: only with invitation cards*)

21⁴⁵ - 24⁰⁰ **Party**
Venue: Main Building A/4. Assembly Hall

11 April (Friday) 2014

9⁰⁰ - 12⁰⁰ **Presentations in the parallel sessions**
Venue: as listed in the section table

12⁰⁰ - 14⁰⁰ *Lunch break*

14⁰⁰ - 18⁰⁰ **Presentations in the parallel sessions**
Venue: as listed in the section table

OPTIONAL PROGRAMME

11 April 2014 13³⁰ - 22⁰⁰ **Excursion to EGER**

REGISTRATION FOR THE CONFERENCE

Venue: The Registration Desk is opposite to the entrance of the Main Building (A/4.)

Registration is open:

09 April (Wednesday) 2014	---	12 ⁰⁰ - 19 ⁰⁰
10 April (Thursday) 2014	8 ⁰⁰ - 12 ³⁰	13 ³⁰ - 17 ⁰⁰
11 April (Friday) 2014	8 ⁰⁰ - 11 ⁰⁰	----

ORGANISATIONAL COMMITTEE OF THE CONFERENCE

The organiser of the Conference is the **UNIVERSITY OF MISKOLC**

Address of the Scientific and Organisational Committee:
University of Miskolc, Rector's Office, International Affairs Team
H-3515 Miskolc Egyetemváros
Phone: (36-46) 565-111/ ext. 1016
Fax: (36-46) 563-423
e-mail: microcad@uni-miskolc.hu
www.uni-miskolc.hu/~microcad

SESSIONS AND VENUES OF THE CONFERENCE

Sign	Name	Venue	
Plenary	Plenary session	Lecture hall III.	Bld. A/4. ground floor
A1	Environmental Science	Lecture hall VII.	Bld. A/1. 1 st floor, 102.
A2	Energy Management	Lecture hall VI.	Bld. A/1. 1 st floor, 101.
B1	Applied Materials Science and Nanotechnologies	Káldor Mihály Room	Bld. B/1. ground floor
B2	Applied Materials Science and Nanotechnologies	Room 312.	Bld. B/1. 3 rd floor, 312.
C1	Logistics	Room 106.	Bld. A/5. 1st floor, 106.
C2	Natural Sciences	Room 13.	Bld. A/1. mezzanine 13.
C3	Electrical Engineering and Informatics	Room 311.	Bld. A/1. 3 rd floor, 311
D1	Innovative manufacturing technologies	Room 44.	Bld. A/4. ground floor, 44.
D2	Fluid and Heat Engineering	Room 206.	Bld. A/3. 2 nd floor, 206.
D3	Innovative engineering design and development	Institute of Machine and Construction Design	Bld. A/3. 1 st floor, 115.
D4	Mechanical modelling and finite element simulation	Room 439.	Bld. A/4. 4 th floor, 439.
E	Legal Sciences	Faculty of Law	Bld. A/6. groundfloor 31.
F	Economic Challenges in the 21 st Century	Room 11.	Bld. A/1. mezzanine 11.
G	Humanities and Social Sciences	Room 12.	Bld. A/1. mezzanine 12.
H	Health and Medical Sciences	Bosch Room	Bld. B3-B4. 2 nd floor, 207.

SUSTAINABLE NATIONAL RESOURCES MANAGEMENT SYMPOSIUM

Chairman: László TIHANYI *professor*

A/1: ENVIRONMENTAL SCIENCE

VENUE: Lecture hall VII., Bld. A/1. 1st floor, 102.

Chairman: Ljudmilla BOKÁNYI *assoc. professor*

Secretary: Terézia VARGA *researcher*

Date: 10 April, 2014

- 14.00 **Ferenc Kovács, Sándor Kocsis, Richárd Tompa** University of Miskolc, Hungary
Ground Water Quality Analysis in Mine-Dewatering
- 14.20 **Ferenc Kovács, Sándor Kocsis, Richárd Tompa** University of Miskolc, Hungary
Characteristics of Ground Water in Lignite Strip Mine Dewatering
- 14.40 **József Kovács, András József, András Endre, Tomuş Ovidiu-Bogdan** University of Petrosani, Romania
Laboratóriumi vizsgálatok a kőszó mechanikai tulajdonságainak meghatározására
- 15.00 **Monika Strzelczyk, Joanna Nowakowska-Grunt** Częstochowa University of Technology, Poland
Influence of Road Transport on the Environment - Poland Against the European Union
- 15.20 *Break*
- 15.40 **Dandea Liviu Dan, Silviu Marin Nan, Adian Schopu, Adrian Bogdan Simon** University of Petrosani, Romania
The Design of a Bucket Wheel Excavator Boom Position Determination System Using Digital Inspection Cameras
- 16.00 **Erika Kun** ISD POWER Ltd., Hungary
Energy Efficiency Enhancement of the Hot Rolling Mill
- 16.20 **Roland Szabó, Gábor Mucsi, Ákos Debreczeni, Zoltán Molnár** University of Miskolc, Hungary
Development of Lignite Based Geopolymer
- 16.40 *Break*
- 17.00 **Zoltán Molnár, Gábor Mucsi, András Papp** University of Miskolc, Hungary
Landfilled Brown Coal Fly Ash Based Geopolymer
- 17.20 **Zoltán Pap** University of Miskolc, Hungary
New Approach of the Evaluation of Eddy Current Separator
- 17.40 **Katalin Bohács, Gábor Mucsi** University of Miskolc, Hungary
Special Applications of Stirred Media Milling
- 18.00 *Summary*

SUSTAINABLE NATIONAL RESOURCES MANAGEMENT SYMPOSIUM

Chairman: László TIHANYI *professor*

A/1: ENVIRONMENTAL SCIENCE

VENUE: Lecture hall VII., Bld. A/1. 1st floor, 102.

Chairman: Ljudmilla BOKÁNYI *assoc. professor*

Secretary: Terézia VARGA *researcher*

Date: 11 April, 2014

9.00 **Andrea Kolencsikné Tóth, Péter Szűcs** University of Miskolc, Hungary
Analysing the Flood Effect on Relationship Between the River Danube and a Shallow Aquifer

9.20 **Zoltán Fejes, Péter Szűcs** University of Miskolc, Hungary
Hydrochemical Investigations in the Tokaj-mountain

9.40 **Nóra Gonda, István Székely** University of Miskolc, Hungary
Using Bentonite-sand Mixtures as Fill Material in Cutoff Wall

10.00 **Anett Kiss, Judit Molnár Somogyi** University of Miskolc, Hungary
A New Rock Physical Model to Describe the Pressure Dependence of Lamé Constants

10.20 **Krisztina Beáta Faur** University of Miskolc, Hungary
Evaluation of Soilvision's SVSlope with a Case Study by Geo-slope's SLOPE/W

10.40 *Break*

11.00 **Hajnalka Szegedi** University of Miskolc, Hungary
Examination the Noise Reduction Capability of the Inversion Based Fourier-transform

11.20 **Zoltán Szamosi, Zoltán Siménfalvi** University of Miskolc, Hungary
Torrefaction of Wheat Straw

11.40 **Réka Horváth** University of Miskolc, Hungary
Geochemical Comparison of the Pécs-Szabolcs and Pécs-Vasas Coal Areas, Hungary

12.00 **Attila Horváth, György Less, Réka Horváth** University of Miskolc, Hungary
Xenoliths of the Tokaj Mountains

12.20 *Summary*

SUSTAINABLE NATIONAL RESOURCES MANAGEMENT SYMPOSIUM

Chairman: László TIHANYI *professor*

A/2: ENERGY MANAGEMENT

VENUE: Lecture hall VI., Bld. A/1. 1st floor, 101.

Chairman: László TIHANYI *professor*

Secretary: Valéria Má dai Üveges *assist. lecturer*

Date: 10 April, 2014

14.00 **Boris Mastobaev, Ayrat Shammazov** Ufa State Petroleum Technological University, Russia
Monitoring of Paraffin Precipitation in Offshore Pipelines

14.20 **Aron Poanta, Silviu Marin Nan, Adrian Bogdan Simon, Dan Liviu Dandea** University of
Petrosani, Romania
*Experimental and Theoretical Research Regarding the Function of a Telemetric Monitoring
System in the Jiu Valley Mines*

14.40 **Adrian Bogdan Simon, Silviu Marin Nan, Liviu Dan Dandea, Adrian Schiopu** University of
Petrosani, Romania
*Research Regarding the Operation of a Carbon Monoxide Stationary Analyzer in Terms of Jiu
Valley Coalfield Mines*

15.00 **Ion Dosa** University of Petrosani, Romania
Power Plant Waste Heat Recovery for Household Heating Using Heat Pumps

15.20 **Oksana Seroka-Stolka, Katarzyna Brendzel-Skowera, Katarzyna Łukasik**
Czestochowa University of Technology, Poland
Determinant Factors of Proactive Corporate Environmental Management

15.40 **László Winkler-Sátor¹, Árpád Bence Palotás²** UNI-FLEXYS Ltd.¹, University of Miskolc²,
Hungary
Problems of Data Matching in the Analysis of Ash Fusion Test Results

16.00 *Break*

SUSTAINABLE NATIONAL RESOURCES MANAGEMENT SYMPOSIUM

Chairman: László TIHANYI *professor*

A/2: ENERGY MANAGEMENT

VENUE: Lecture hall VI., Bld. A/1. 1st floor, 101.

Chairman: László TIHANYI *professor*

Secretary: Valéria Má dai Üveges *assist. lecturer*

Date: 10 April, 2014

- 16.20 Nemes Alex, Árpád Bence Palotás University of Miskolc, Hungary
Alternative Method for Measuring the Physical Parameters of the Lower Troposphere
- 16.40 Gábor Nagy, Ágnes Woperáné Serédi University of Miskolc, Hungary
Canteen Waste as a Basic Material for Producing Syngas
- 17.00 Ádám Koncz University of Miskolc, Hungary
An Improved Prime Mover Parameter Estimation Process for Sucker Rod Pumping Units
- 17.20 László Kis University of Miskolc, Hungary
Comparison of Beam Acceleration Calculation Models
- 17.40 Tamás Magyar¹, József Faitli¹, Roland Róbert Romenda¹, Attila Erdélyi² University of Miskolc¹, A.S.A. Hungary Ltd.², Hungary
Investigation of Temperature Distribution Arising from Decomposition Processes and Heat Extraction Potential of the Gyál Municipal Solid Waste Landfill
- 18.00 László Kapás¹, Anikó Tóth¹, Zoltán Ném et² University of Miskolc¹, Magyar Földgáztároló Zrt.², Hungary
Pipeline Inspection with a New Developing Method
- 18.20 *Summary*

APPLIED MATERIALS SCIENCE AND NANOTECHNOLOGY SYMPOSIUM

Chairman: Tamás TÖRÖK *professor*

B1: APPLIED MATERIALS SCIENCE AND NANOTECHNOLOGIES

VENUE: Káldor Mihály Room, Bld. B/1. ground floor

Chairman: Valéria MERTINGER *professor*

Secretary: Tamás MENDE *assist. professor*

Date: 10 April, 2014

14.00 **Monika Mende-Tokár, György Fegyverneki, Valéria Mertinger** University of Miskolc, Hungary
Analysis of the Common Modification Effect of Strontium And Antimony on the Structure in Case of AlSi8Cu3 Alloy

14.15 **Tamás Mikó, Péter Barkóczy** University of Miskolc, Hungary
A Microstructural Evaluation During Dynamic Recrystallization in 5182 Aluminium Alloy

14.30 **Ádám Egész¹, Viktória Veréb²** GE Hungary Ltd¹, University of Miskolc², Hungary
Optimization of the Process of Alumina Injection Molding Using Design of Experiment

14.45 **Viktória Veréb¹, Ádám Egész²** University of Miskolc¹, GE Hungary Ltd², Hungary
Development of Porous Alumina Ceramics Using Biomaterial Based Additives

15.00 **Kinga Mizser-Tomolya, Dóra Janovszky, Anna Sycheva, András Roósz** MTA-ME Materials Science Research Group, Hungary
Studying Amorphous-crystalline Transitions in Powders Caused by Ball-milling

15.15 **Erzsébet Nagy¹, Valéria Mertinger², Márton Benke¹, Ferenc Tranta¹** MTA-ME Materials Science Research Group¹, University of Miskolc², Hungary
Investigation of Martensitic Transformation in FeMnCr TWIP Steels

15.30 **Ádám Filep¹, Márton Benke², Valéria Mertinger¹, Gábor Búza³** University of Miskolc¹, MTA-ME Materials Science Research Group², Bay Zoltán Nonprofit Ltd.³, Hungary
Investigation of Residual Stress Distribution by X-ray Diffraction Method in Laser Hardened Plain Carbon Steel

15.45 *Break*

APPLIED MATERIALS SCIENCE AND NANOTECHNOLOGY SYMPOSIUM

Chairman: Tamás TÖRÖK *professor*

B1: APPLIED MATERIALS SCIENCE AND NANOTECHNOLOGIES

VENUE: Káldor Mihály Room, Bld. B/1. ground floor

Chairman: Valéria MERTINGER *professor*

Secretary: Tamás MENDE *assist. professor*

Date: 10 April, 2014

- 16.00 Péter Urbán, Éva Kun, Tibor Ferenczi, Dániel Sós, Tamás I. Török University of Miskolc, Hungary
Atmospheric Pressure Plasma Cleaning of Steel Plates from Organic Contaminations
- 16.15 Éva Kun¹, Tamás Török¹, Dániel Sós¹, Máté Szabó¹, Attila Csík², József Hakl², K. Vad²
University of Miskolc¹, MTA ATOMKI², Hungary
Investigation of Immersion Silver Coatings Developed on Microelectronic-grade Copper Foils
- 16.30 Gergely Bálint Tóth¹, Masahito Uchikoshi², Tamás Kékesi¹ University of Miskolc, Hungary¹,
Tohoku University, Japan²
Potentiodynamic Analysis of Polarization Properties Influencing Cathodic Deposition in Tin-chloride – HCl Solutions
- 16.45 Mariann Kollár¹, Balázs Bencsik² University of Miskolc¹, University of West Hungary²,
Hungary
Modified Wood Fiber Reinforced Poly(lactic Acid) Composites
- 17.00 Gabriella Zsoldos, Anita Broda, Mariann Kollár University of Miskolc, Hungary
Alginate Modified UHMWPE Biomaterial
- 17.15 *Summary*

APPLIED MATERIALS SCIENCE AND NANOTECHNOLOGY SYMPOSIUM

Chairman: Tamás TÖRÖK *professor*

B2: APPLIED MATERIALS SCIENCE AND NANOTECHNOLOGIES

VENUE: Room 312, Bld. B/1. 3rd floor, 312.

Chairman: Tamás TÖRÖK *professor*

Secretary: Éva KUN *PhD Student*

Date: 11 April, 2014

- 9.00 **Greta Maruskinova¹, Frantisek Kukurugya¹, Ludovit Parilak², Tomas Havlik¹** Technical University of Kosice¹, ŽP Research and Development Centre², Slovakia
Material Recycling of EAF Steelmaking Dust
- 9.15 **Alois Unger, Stefan Steinlechner, Juergen Antrekowitsch** University of Leoben, Austria
Upgrade of Wox with High Energy Solar Radiation
- 9.30 **Tibor Kulcsár, Tamás Kékesi** University of Miskolc, Hungary
Experimental Monitoring and Evaluation of the Electrode Processes in Tin Electrorefining
- 9.45 **Gernot Rösler, Christoph Pichler, Jürgen Antrekowitsch** University of Leoben, Austria
Recycling of Metallurgical Wastes by a Sustainable Ironbath Process with Special Focus on the Carburization Step
- 10.00 **Zita Takacova, Tomas Havlik, Tomas Vindt** Technical University of Kosice, Slovakia
Recovery of Metals From Active Mass of Spent Li-ion Accumulators
- 10.15 **Dumitru Jula, Diana Sălășan, Laura Ionescu, Marian Pulbere** University of Petrosani, Romania
The Use of Reverse Osmosis in the Treatment of Wastewater from the Uranium Processing Plants
- 10.30 **Ovidiu Bogdan Tomus, Dumitru Jula, Laura Ionescu, Diana Salasan** University of Petrosani, Romania
Wastewater Treatment from Uranium Processing Plant Using Ultra-filtration System
- 10.45 *Break*
- 11.00 **Agnesa Doráková, Tamás Kékesi** University of Miskolc, Hungary
Solubilization of Tin and Aluminium Oxide Drosses Obtained from Metal Melting
- 11.15 **Zoltán Harangi, Tamás Kékesi** University of Miskolc, Hungary
Conversion of Tin Dioxide Drosses Obtained from Soldering Scrap by Reduction and Alkaline Fusion
- 11.30 **Róbert Móger¹, Ottó Farkas²** ISD DUNAFERR Co.¹, University of Miskolc², Hungary
Effect of Blast Furnace Shaft Accretion for Co-utilization
- 11.45 **Róbert Móger¹, Ottó Farkas², Zsolt Csepeli¹, Oszkár Grega²** ISD DUNAFERR Co.¹, University of Miskolc², Hungary
Investigation of Blast Furnace Tuyere Erosion Process
- 12.00 **Koppány Levente Juhász** University of Miskolc, Hungary
The Dependence of Superparamagnetic Iron-oxide Nanoparticles' Aggregation on Ph
- 12.15 *Summary*

MECHATRONICS AND LOGISTICS SYMPOSIUM

Chairman: Béla ILLÉS *professor*

C1: LOGISTICS

VENUE: Room 106., Bld. A/5. 1st floor, 106

Chairman: Béla ILLÉS *professor*

Secretary: Péter TELEK *assist. professor*

Date: 10 April, 2014

14.00 *Opening Ceremony*

14.05 **Elke Glistau¹, Michael Schenk¹, Norge Isaias Coello Machado²** Otto-von-Guericke University, Germany¹, Central University "Marta Abreu" of Las Villas, Santa Clara, Cuba²
Quality Management, Logistics and Strategies

14.20 **Joanna Nowakowska-Grunt, Dorota Jelonek, Cezary Stępnia**k Czestochowa University of Technology, Poland
Innovation Co-creation in E-business. Customer Perspective

14.35 **Sylvia Legowik-Swiacik, Marlena Grabowska** Czestochowa University of Technology, Poland
Opportunities for Application of Modern Instruments of Management in the Field of Green Logistics

14.50 **Elke Glistau¹, Norge Isaias Coello Machado², Béla Illés³** Otto-von-Guericke University, Germany¹, Central University "Marta Abreu" of Las Villas, Santa Clara, Cuba², University of Miskolc, Hungary³
Logistics Planning Process and Kanban

15.05 **Tomasz Lis, Agnieszka Wójcik-Mazur** Czestochowa University of Technology, Poland
The Effectivity of Logistics Customer Service and Shaping Organization's Competitive Advantage

15.20 **Marta Kadlubbek** Czestochowa University of Technology, Poland
The Supply Chain in the Future and Sustainable Development

15.35 **Agata Mesjasz-Lech, Beata Skowron-Grabowska** Czestochowa University of Technology, Poland
Waste Flows in the Channels of Reverse Logistics - a Quantitative Analysis for Poland in Contrast to Selected European Countries

15.50 *Break*

MECHATRONICS AND LOGISTICS SYMPOSIUM

Chairman: Béla ILLÉS *professor*

C1: LOGISTICS

VENUE: Room 106., Bld. A/5. 1st floor, 106

Chairman: Béla ILLÉS *professor*

Secretary: Péter TELEK *assist. professor*

Date: 10 April, 2014

- 16.00 **Sylwia Legowik-Swiacik, Helena Kościelniak** Czestochowa University of Technology, Poland
Innovativeness in Entrepreneurial Orientation of Polish Enterprises
- 16.15 **Dinescu Stela, András Andrei** University of Petrosani, Romania
Modeling the Coal Wining Equipment for Increase Work Effectiveness and Reduce Energy Consumption
- 16.30 **Péter Telek** University of Miskolc, Hungary
Design Properties of Materials Handling Machines
- 16.45 **Norbert Tóth** Bay Zoltán Nonprofit Ltd., Hungary
Simulation of Industrial Waste Transport
- 17.00 **Balázs Villányi, Péter Martinek, Béla Szikora** Budapest University of Technology and Economics, Hungary
Using the Anfis for the Mitigation of the Bullwhip-effect in Supply Chains
- 17.15 **Richárd Ladányi** Bay Zoltán Nonprofit Ltd., Hungary
Vehicle Route Planning on the Base of Geospatial Information System
- 17.30 **István Lakatos, Dávid Czeglédi** Széchenyi István University, Hungary
Parameterization of Affecting Factors Concerning the Consumption Standard Calculation Model of Vehicles in Fleet Operation
- 17.45 *Summary*

MECHATRONICS AND LOGISTICS SYMPOSIUM

Chairman: Béla ILLÉS *professor*

C2: NATURAL SCIENCE

VENUE: Room 13., Bld. A/1. mezzanine 13.

Chairman: Béla PARIPÁS *professor*

Secretary: Judit MAKÓ *assist. lecturer*

Date: 10 April, 2014

14.00 *Opening Ceremony*

14.05 **István Rácz** Wigner FK, Hungary
On the Nature of Geometric Determinacy

14.20 **László Ujfaludi** Eszterházy Károly College, Hungary
Visiting Science Museums in Australia and Europe

14.35 **János Majár** University of Miskolc, Hungary
Laboratories of the Physical Department at the University of Miskolc: Challenges and Possibilities

14.50 **Endre Kovács¹, Michael Forrester², Feodor Kusmartsev²** University of Miskolc, Hungary¹,
Loughborough University, United Kingdom²
Numerical Simulation of Antiferromagnetically Coupled Nanomagnets

15.05 **Béla Paripás, Béla Palásthy** University of Miskolc, Hungary
Experimental (e,2e) Study of Exchange Interference: I. the Constant Ionic State Method

15.20 **Béla Paripás, Béla Palásthy** University of Miskolc, Hungary
Experimental (e,2e) Study of Exchange Interference: II. Results and Discussion

15.35 *Break*

15.50 **Zsolt Karácsony, Dávid Hamar** University of Miskolc, Hungary
Comparison of Kernels Used in Kernel Smoothing

16.00 **Bettina Porvázsnyik, István Fazekas** University of Debrecen, Hungary
The Asymptotic Behaviour of the Weights and the Degrees in an N-interactions Random Graph Model

16.15 **Attila Házy, Judit Makó** University of Miskolc, Hungary
On Hermite-Hadamard Type Inequalities

16.30 **Judit Makó, Attila Házy** University of Miskolc, Hungary
On Strongly Convex Functions

16.45 *Summary*

MECHATRONICS AND LOGISTICS SYMPOSIUM

Chairman: Béla ILLÉS *professor*

C3: ELECTRICAL ENGINEERING AND INFORMATICS

VENUE: Room 311., Bld. A/1. 3rd floor 311.

Chairman: Ernő KOVÁCS *assoc. professor*

Secretary: Csaba BLÁGA *assoc. professor*

Date: 10 April, 2014

14.00 *Opening Ceremony*

14.05 **Tamás György, Károly-Ágoston Bíró** Technical University of Cluj-Napoca, Romania
MMF Harmonics Investigation on Fractional Slot Windings

14.25 **Csaba Blága** University of Miskolc, Hungary
Reactive Power Analysis of Single Phase Power Control - The 6th Part

14.45 **Viliam Fedák¹, Fetyko Ján¹, Jezný Jaromír², Róbert Üveges¹** Technical University of Kosice¹,
ZTS VVU Kosice, A.s.², Slovakia
Control Strategy Principles of Leg Motion Control in a Six-legged Robotic Vehicle

15.05 **Viliam Fedák, Godem A. Ismeal, Karol Kyslan** Technical University of Kosice, Slovakia
System Identification by the Least Squares Method Applied to a PM DC Motor

15.25 **Gábor Fekete** University of Miskolc, Hungary
Interpretation of Maxwell's Work Based on Unified Theory of Energy (UNITHE)

15.45 *Break*

16.05 **Ákos Nagy, Bence Kővári** Budapest University of Technology and Economics, Hungary
Cost Optimization of Cloud Applications by Service Provider Neutral Scaling

16.25 **István Ferenczi** College of Nyíregyháza, Hungary
Programmable Logic Controllers as Real-time Industrial Ethernet Base System Devices

16.45 **Roland Kilik, László Czap** University of Miskolc, Hungary
Measuring the Relation Between Gestures and Stresses by Time-domain Sliding

17.05 **Attila Károly Varga** University of Miskolc, Hungary
ZigBee Wireless Communication Standard

17.25 **László Rónai, Ildikó Bölkény** University of Miskolc, Hungary
Regulation of an Inhibitor Dosing System

17.45 **Ákos Cservenák, Ildikó Makó, Tibor Csáki** University of Miskolc, Hungary
Creating a Virtual Robotic Cell with Robotexpert Software System

18.00 *Summary*

INNOVATIVE MECHANICAL DESIGN AND TECHNOLOGY SYMPOSIUM

Chairman: Károly JÁRMAI *professor*

D1: INNOVATIVE MANUFACTURING TECHNOLOGIES

VENUE: Room 44. Bld. A/4. ground floor, 44.

Chairman: Miklós TISZA *professor*

János KUNDRÁK *professor*

Secretary: László PRÉM *engineer*

Date: 10 April, 2014

- 14.00 **Ádám Dobosy, Gyula Nagy, János Lukács** University of Miskolc, Hungary
LCF Experiments on Different Yield Strength Steels and Their Welded Joints
- 14.15 **Zsolt Lukács, Gaszton Gál, Miklós Tisza** University of Miskolc, Hungary
New Equipment for Measuring Large Strain Cyclic Tension-compression Testing of Sheet Metal
- 14.30 **Ákos Meilinger** University of Miskolc, Hungary
Finite Element Modeling of Friction Stir Welding
- 14.45 **Nóra Nagy** University of Miskolc, Hungary
Development of Human Implants
- 15.00 **László Prém** University of Miskolc, Hungary
Spot Welding Experiments on Automotive Dual-phase Steel Sheets
- 15.15 **Miklós Tisza, Péter Z. Kovács, Zsolt Lukács** University of Miskolc, Hungary
Hot Press Forming in Sheet Metal Forming
- 15.30 **Zoltán Vass, Mária Berkes Marosné, Csaba Felhő, Zsolt Maros** University of Miskolc, Hungary
Correlation between the Wear Characteristics and Surface Roughness Parameters of Nitrocarburized 34CrMo4 Steels
- 15.45 **Alexandra Kitti Németh, Mária Berkes Marosné** University of Miskolc, Hungary
Improvement of the Tribological Performance of Si₃N₄/Mg Nanocomposites by Spark Plasma Sintering
- 16.00 *Break*

INNOVATIVE MECHANICAL DESIGN AND TECHNOLOGY SYMPOSIUM

Chairman: Károly JÁRMAI *professor*

D1: INNOVATIVE MANUFACTURING TECHNOLOGIES

VENUE: Room 44. Bld. A/4. ground floor, 44.

Chairman: Miklós TISZA *professor*

János KUNDRÁK *professor*

Secretary: László PRÉM *engineer*

Date: 10 April, 2014

- 16.20 **Gergely Dezső, Ferenc Szigeti, Attila Százvai** College of Nyíregyháza, Hungary
Investigation on Force Demand of Steel Planing
- 16.40 **Sándor Bodzás^{1,2}, Illés Dudás^{1,2}** Nyíregyházi Főiskola¹, University of Miskolc², Hungary
Production Technology of Spiroid Worm Surface Using Grinding Wheel Banking Angle Correction
- 17.00 **Wojciech Zębala, Robert Kowalczyk** Cracow University of Technology, Poland
Analysis of Cutting Data and Nose Radius Influence on WC-Co Turning Process with PCD Tools
- 17.20 **Wojciech Zębala, Bogdan Słodki, Grzegorz Struzikiewicz** Cracow University of Technology, Poland
Examples of Disturbances in Cutting Force Measurement in Inconel 625 Turning
- 17.40 **Anatoly Grabchenko, Vladimir Fedorovich, Ivan Pyzhov** National Technical University, Ukraine
Increase in Working Capacity of Diamond Dressers
- 18.00 *Summary*

INNOVATIVE MECHANICAL DESIGN AND TECHNOLOGY SYMPOSIUM

Chairman: Károly JÁRMAI *professor*

D2: FLUID AND HEAT ENGINEERING

VENUE: Room 206. Bld. A/3. 2nd floor, 206.

Chairman: Szilárd SZABÓ *professor*

Gábor JANIGA *professor*

Secretary: Zsolt MÁTRAI *PhD Student*

Date: 10 April, 2014

- 14.00 Péter Bakucz, József Zoltán Szabó Óbuda University, Hungary
Real-time Knock Detection of Large Gas Engines By Nonlinear Filtering of the Vibration Signal
- 14.15 István Bodnár University of Miskolc, Hungary
Energy Efficiency Analysis of the Thermic Treatment Process
- 14.30 András Gulyás, Márton Balczó Budapest University of Technology and Economics, Hungary
Development of a Small Blower-type Wind Tunnel for Educational Purposes
- 14.45 Sándor Hajdú, Tibor Czibere, László Kalmár University of Miskolc, Hungary
Bánki Turbine Design Data Optimization to Ensure Angular Momentum Free Flow at Runner Outlet
- 15.00 Gábor Janiga Otto-von-Guericke University of Magdeburg, Germany
Turbulent Flow Simulation in a Pipe Based on Large Eddy Simulation
- 15.15 Krzysztof Jesionek¹, Janusz Badur², Agata Rusnarczyk¹, Artur Babul¹, Adam Wierciak¹
Wrocław University of Technology¹, Institute of Fluid Flow Machinery PAS-ci, Gdańsk², Poland
The Effects of Parameters of Organic Fluids on the Design of an Axial Turbine
- 15.30 *Break*
- 15.45 László Kovács, Szilárd Szabó University of Miskolc, Hungary
Steady State Airflow Characteristics of a Dual Port Cylinder Head of a High Speed IC Engine
- 16.00 Zsolt Mátrai University of Miskolc, Hungary
Development of the Fuel System of Single Cylinder Diesel Engine for Fuel Consumption Measurements
- 16.15 Norbert Szaszák, Szilárd Szabó University of Miskolc, Hungary
Experimental Study of Elastic Tapes in Wind Tunnel as Turbulence Generator
- 16.30 András Tomor, Márton Balczó Budapest University of Technology and Economics, Hungary
Wind Tunnel Modelling of Ventilation Around an Urban Square
- 16.45 John Demetriou, Eleni Belia, Nikos Karveleas, Eugene Retsinis JD Research Hydrolab, Greece
Experiments and Computations in Water Flows Within a Smooth Boundaries' Rectangular Open Channel - Boundary Shear Stresses
- 17.00 John Demetriou, Eugene Retsinis JD Research Hydrolab, Greece
Flowing Water's Velocity Structure within Partly Filled Circular Channels
- 17.15 *Summary*

INNOVATIVE MECHANICAL DESIGN AND TECHNOLOGY SYMPOSIUM

Chairman: Károly JÁRMAI *professor*

D3: INNOVATIVE ENGINEERING DESIGN AND DEVELOPMENT

VENUE: Insitute of Machine and Consruction Design, Bld. A/3. 1st floor, 115.

Chairman: Károly JÁRMAI *professor*

László KAMONDI *assoc. professor*

Secretary: László KOTA *engineer*

Date: 11 April, 2014

- 9.00 **Pál Bánlaki, Ferenc Dömötör** Budapest University of Technology and Economics, Hungary
Some Current Problems of Data Acquisition for Vibration Diagnostics
- 9.20 **Zoltán Bihari, József Szente** University of Miskolc, Hungary
Classification of Clutches Using New Criterias
- 9.40 **Ferenc János Szabó** University of Miskolc, Hungary
Optimization Possibilities of Shaft- Bearing System
- 10.00 **Ágnes Takács** University of Miskolc, Hungary
On Design for the Environment
- 10.20 **Károly Jármai, Gábor Zoltán Marcsák, Csaba Barcsák** University of Miskolc, Hungary
New Evolutionary Optimization Techniques and Test Functions for Their Evaluation
- 10.40 *Break*
- 11.00 **Károly Jármai, József Farkas, György Kovács, Zoltán Virág** University of Miskolc, Hungary
Our Newest Results on the Field of Structural Optimization
- 11.20 **László Kota, Károly Jármai** University of Miskolc, Hungary
Discretization of the Firefly Algorithm for the Travelling Salesman Problem
- 11.40 **János Száva¹, Károly Jármai², Tibor Bondár³, Sorin Vlase¹, Péter Dani¹, András Kakucs⁴,
Horațiu Teodorescu-Drăghicescu¹, Renata Munteanu¹, Botond Pál Gálfi¹** Transilvania
University of Brasov, Romania¹, University of Miskolc, Hungary², Protecting Coatings Nyirtelek,
Hungary³, Sapientia University of Targu-Mures, Romania⁴
New Testing Device for Validation of the Intumescent Paints' FEM Modelling
- 12.00 **Sorin Vlase, Horatiu Teodorescu-Draghicescu, Ioan Száva, Botond-Pál Gálfi, Renata
Munteanu, Carol Ambrus, Mircea Ivanoiu** Transilvania University of Brasov, Romania
*Twelve Plies Rt300 Glass Fabric-reinforced Polyte 440-M888 Composite Laminated Subjected
to Tensile Load on Warp Direction*
- 12.20 **Viktória Mikáczó, Ildikó Szűcs** University of Miskolc, Hungary
Hydrodynamic and Static Investigation of Vent Duct in Case of Dust Explosion
- 12.40 *Summary*

INNOVATIVE MECHANICAL DESIGN AND TECHNOLOGY SYMPOSIUM

Chairman: Károly JÁRMAI *professor*

D4: MECHANICAL MODELLING AND FINITE ELEMENT SIMULATION

VENUE: Room 439. Bld. A4. 4th floor, 439.

Chairman: György SZEIDL *professor*

Edgár BERTÓTI *professor*

Secretary: Dániel BURMEISTER *assist. lecturer*

Date: 11 April, 2014

- 9.00 **Dániel Burmeister** University of Miskolc, Hungary
Buckling of Annular Plates with Intermediate Shell-stiffening
- 9.20 **Dávid Gönczi** University of Miskolc, Hungary
The Determination of Displacement Field and Normal Stresses in Multilayered Spherical Bodies
- 9.40 **Dávid Gönczi** University of Miskolc, Hungary
Thermoelastic Analysis of Layered Disks
- 10.00 **Ákos József Lengyel, István Ecsedi** University of Miskolc, Hungary
Elastic Stability of Columns with Weak Shear Connection
- 10.20 **Radu Sorin Mihai, Tanasoiu Bogdan, Stanila Sorina** University of Petrosani, Romania
Theoretical and Experimental Study of the Bearing Structure of Tank Wagon
- 10.40 *Break*
- 11.00 **Szabolcs Szávai, Lajos György Kocsán** Bay Zoltán Nonprofit Ltd., Hungary
Mesh Generation for Lubricated Contact Problem
- 11.20 **György Szeidl, László Kiss** University of Miskolc, Hungary
Stability Analysis of Pinned-Pinned Shallow Circular Beams Under a Central Concentrated Load
- 11.40 **Sándor Szirbik** University of Miskolc, Hungary
Hypersingular Integral Equations of Plane Elasticity in a Dual Formulation
- 12.00 **Balázs Tóth** University of Miskolc, Hungary
Notes on Dual and Mixed Functionals in Linear Elastodynamics
- 12.20 *Summary*

LEGAL SCIENCES SYMPOSIUM

Chairman: Zoltán ANGYAL *assoc. professor*

E: LEGAL SCIENCES

VENUE: Faculty of Law, Bld. A/6. groundfloor 31.

Chairman: Zoltán ANGYAL *assoc. professor*

Secretary: Nóra JAKAB *assist. professor*

Date: 10 April, 2014

14.00 **Anita Paulovics** University of Miskolc, Hungary
Animal Cruelty in the USA

14.15 **Nóra Jakab** University of Miskolc, Hungary
Broad Concept of the Employee Status

14.30 **Adrienn Jám bor** University of Miskolc, Hungary
The Changing of Definition on “Dangerous Dogs” (in Hungarian Law)

14.45 **Emese Bátyi** University of Miskolc, Hungary
The System of Scientific Qualification – Russia, Germany, Scandinavia

15.00 *Break*

15.10 **Zoltán Nagy** University of Miskolc, Hungary
Environmental Taxes from the Point of View of the Environmental Protection

15.25 **Ágnes Váradi** HAS Centre for Social Sciences Institute for Legal Studies, Hungary
The European Union’s Jurisdictional Rules on Legal Disputes of Insurance

15.40 **Adrienn Jám bor** University of Miskolc, Hungary
Organizational System of Hungarian Veterinary Chamber

15.55 **Edit Zsuzsanna Tárczy** Government Office of Szabolcs-Szatmár-Bereg Megye, Hungary
Reorganization of the Associations in 2013 with Regard to the Problems (in Connection with Szabolcs-Szatmár-Bereg Megye)

16.10 *Break*

LEGAL SCIENCES SYMPOSIUM

Chairman: Zoltán ANGYAL *assoc. professor*

E: LEGAL SCIENCES

VENUE: Faculty of Law, Bld. A/6. groundfloor 31.

Chairman: Zoltán ANGYAL *assoc. professor*

Secretary: Nóra JAKAB *assist. professor*

Date: 10 April, 2014

- 16.20 **Andrea Erzsébet Bokros** Miskolc District Court, Hungary
Standard Control Activity and Review of Local Tax Regulations of Local Government Council of the Kurie
- 16.35 **Zoltán Rác** University of Miskolc, Hungary
The Actual Questions of the Hungarian Labour Relations in the Public Area
- 16.50 **Anita Paulovics** University of Miskolc, Hungary
Comparative Dog Law: US and Hungary
- 17.05 **Andrea Erzsébet Bokros** Miskolc District Court, Hungary
The Separation of Court Mediation and Civil Litigious Procedure
- 17.20 **Nóra Jakab** University of Miskolc, Hungary
Employment of Disadvantaged People - Practical Issues
- 17.35 *Summary*

CHALLENGES OF INNOVATIVE PRODUCTION – SERVICE AND INSTITUTIONAL OPERATION IN THE FRAME OF INFORMATION SOCIETY SYMPOSIUM

Chairman: Éva G. FEKETE *professor*

F: ECONOMIC CHALLENGES IN THE 21st CENTURY

VENUE: Room 11., Bld. A/1. mezzanine 11.

Chairman: Péter SASVÁRI *assoc. professor*

Secretary: Ádám BERECK *assist. lecturer*

Date: 10 April, 2014

- 14.00 **Piotr Kuras, Piotr Tomski, Anna Lemanska-Majdzik** Czestochowa University of Technology, Poland
Enterprise Strategy in the Context of the Resource-based View
- 14.15 **Tamás Kelemen** Budapest University of Technology and Economics, Hungary
Solving Production Management Problems from an Integrated Approach
- 14.30 **Judit Uzonyi-Kecskés, Tamás Koltai** Budapest University of Technology and Economics, Hungary
Analysis of the Decision Making Environment of a Production Simulation Game Based on Students' Feedback
- 14.45 **Piotr Tomski, Piotr Kuras, Anna Lemanska-Majdzik** Czestochowa University of Technology, Poland
Sustainable Development as the Founding Idea of Firm's Strategy
- 15.00 **Anna Lemanska-Majdzik, Piotr Tomski, Piotr Kuras** Czestochowa University of Technology, Poland
Knowledge Management in a Non-profit Organization – Selected Aspects
- 15.15 **Rita Györkös, Tamás Koltai, Noémi Kalló** Budapest University of Technology and Economics, Hungary
Empirical Analysis of the Significance of Learning Effect and Task Assignment on Assembly Line Performance
- 15.30 **Marlena Grabowska, Sylwia Legowik-Swiacik** Czestochowa University of Technology, Poland
Verification of the Fundamental Motivations Behind Taking Entrepreneurial Activities in the EU Countries
- 15.45 **Dániel Róbert Szabó, Norbert Kovács, Ádám Páthy, Péter Tóth** Széchenyi István University, Hungary
Main Risk Types and Their Assessment in the Hungarian Construction Industry
- 16.00 **Dániel Róbert Szabó** Széchenyi István University, Hungary
Potential Demand Increasing Effects of State Programs on the Hungarian Construction Industry
- 16.15 **Berislav Andrić** Polytechnic in Pozega, Croatia
Mobile Marketing of Library Services
- 16.30 *Break*

CHALLENGES OF INNOVATIVE PRODUCTION – SERVICE AND INSTITUTIONAL OPERATION IN THE FRAME OF INFORMATION SOCIETY SYMPOSIUM

Chairman: Éva G. FEKETE *professor*

F: ECONOMIC CHALLENGES IN THE 21st CENTURY

VENUE: Room 11., Bld. A/1. mezzanine 11.

Chairman: Péter SASVÁRI *assoc. professor*

Secretary: Ádám BERECK *assist. lecturer*

Date: 10 April, 2014

- 16.45 **Mirjana Hladika, Hrvoje Perčević** University of Zagreb, Croatia
The Potential and the Most Common Problems in the Calculation of Economic Value Added
- 17.00 **Joanna Gajda** Czestochowa University of Technology, Poland
Intellectual Capital Management as a Key Factor of Organization's Value Shaping
- 17.15 **Joanna Gajda** Czestochowa University of Technology, Poland
Organizational Climate as a Determinant of Organization's Effectiveness Improvement
- 17.30 **Seweryn Cichoń** Czestochowa University of Technology, Poland
School Management in the Aspect of Enterprising Actions
- 17.45 **Seweryn Cichoń** Czestochowa University of Technology, Poland
School Management Orientated on Innovation
- 18.00 **Monika Strzelczyk, Robert Salek, Anna Wiśniewska-Salek** Częstochowa University of Technology, Poland
Innovation in the Perspective of Local Development
- 18.15 **Péter Sasvári** University of Miskolc, Hungary
The Analysis of the It Infrastructure Among Smes in the Visegrád Group of Countries
- 18.30 **Ádám Bereczk** University of Miskolc, Hungary
Correlation Between Investment and Staff Cost in Hungarian Manufacturing
- 18.45 *Summary*

HUMANITIES AND SOCIAL SCIENCES SYMPOSIUM

Chairman: Ágnes MAGNUCZNÉ GODÓ *assoc. professor*

G: HUMANITIES AND SOCIAL SCIENCES

VENUE: Room 12., Bld. A/1. mezzanine 12.

Chairman: Ágnes MAGNUCZNÉ GODÓ *assoc. professor*

Secretary: Tünde BAJZÁT *assist. professor*

Date: 10 April, 2014

- 14.00 **Andrea Kovácsné Duró** University of Miskolc, Hungary
Pedagogical Effects and Reactions
- 14.15 **Ágnes Magnuczné Godó** University of Miskolc, Hungary
To ELF or not to ELF? Teachers' Perspectives on the Pedagogical Relevance of English as a Lingua Franca
- 14.30 **Tünde Bajzát** University of Miskolc, Hungary
Student Mobility: Trends, Reasons, Benefits and Implications for Tertiary Education
- 14.45 *Break*
- 15.00 **Edit Spiczéné Bukovszki** University of Miskolc, Hungary
Self-regulated Learning in Higher Education Language Pedagogy
- 15.15 **Katalin Torkos** College of Nyíregyháza, Hungary
Socio-cultural Characteristics of Students Preferring E-learning Subjects – at the Department of Social Pedagogy, College of Nyiregyhaza –
- 15.30 **Júlia Szabó** Eötvös Loránd University, Hungary
Our European Stories Through the Lenses of Prix Europa Radio Documentaries
- 15.45 *Break*

HUMANITIES AND SOCIAL SCIENCES SYMPOSIUM

Chairman: Ágnes MAGNUCZNÉ GODÓ *assoc. professor*

G: HUMANITIES AND SOCIAL SCIENCES

VENUE: Room 12., Bld. A/1. mezzanine 12.

Chairman: Ágnes MAGNUCZNÉ GODÓ *assoc. professor*

Secretary: Tünde BAJZÁT *assist. professor*

Date: 10 April, 2014

- 16.00 **Agnieszka Wójcik-Mazur, Justyna Łukomska-Szarek** Czestochowa University of Technology, Poland
Implementation of Managerial Techniques in the Operation of the Polish Tax Authorities
- 16.15 **Katarzyna Brendzel-Skowera, Katarzyna Łukasik, Oksana Seroka-Stolka** Czestochowa University of Technology, Poland
Managing an Academic Business Incubator – Case Study
- 16.30 **Izabela Krawczyk-Sokołowska, Halina Tomczyk** Czestochowa University of Technology, Poland
The Role of Human Resources in an Innovation Enterprise
- 16.45 *Break*
- 17.00 **Agnieszka Wójcik-Mazur, Justyna Łukomska-Szarek** Czestochowa University of Technology, Poland
Performance-based Budgeting in the Process of Management of Entities of Local Governments
- 17.15 **Katarzyna Łukasik, Katarzyna Brendzel-Skowera, Oksana Seroka-Stolka** Czestochowa University of Technology, Poland
The Corporate Culture Based on the Example of PKN Orlen
- 17.30 **László Molnár** University of Miskolc, Hungary
How to Measure and what Factors Influence Economic and Social Benefit of Innovations
- 17.45 **Réka Kissné Zsámboki** University of West Hungary, Hungary
Network Structure and Diffusion in the Evolvement of Freinet-pedagogy in the Period 1989-1996
- 18.00 *Summary*

HEALTH AND MEDICAL SCIENCES SYMPOSIUM

Chairman: Olivér RÁCZ *professor*

H: HEALTH AND MEDICAL SCIENCES

VENUE: Room BOSCH, Bld. B3-B4. 2nd floor, 207.

Chairman: Olivér RÁCZ *professor*

Secretary: Andrea LUKÁCS *lecturer*

Date: 10 April, 2014

- 14.00 **Kinga Kálcza-Jánosi¹, Andrea Lukács², László Barkai², István Szamosközi¹** Babes-Bolyai University, Cluj-Napoca, Romania¹, University of Miskolc, Hungary²
Glucose Metabolism and Memory Functions in Adults with Type 1 Diabetes Mellitus
- 14.15 **Andrea Lukács, Emőke Kiss-Tóth, László Barkai** University of Miskolc, Hungary
Insulin Pump Versus Multiple Daily Injections in Youths with Type 1 Diabetes
- 14.30 **Olivér RácZ^{1,2}, Marcela Linková², Lydia Cisláková², Krzysztof Jakubowski³** University of Miskolc, Hungary¹, Safarik University Kosice, Slovakia², State Higher Vocational School, Sanok, Poland³
Clinical and Psychological Factors Associated with Quality of Life in Patients with Diabetes Mellitus
- 14.45 **Krzysztof Jakubowski¹, Marcela Linková², Lydia Cisláková², Denisa Maceková², Olivér RácZ^{1,2,3}** State Higher Vocational School, Sanok, Poland¹, Safarik University Kosice, Slovakia², University of Miskolc, Hungary³
Factors Associated with Self-Rated Health Quality in Patients with Diabetes Mellitus
- 15.00 *Discussion*
- 15.30 *Break*
- 15.45 **Olivér RácZ¹, Peter Kružliak²** University of Miskolc, Hungary¹, St. Anne's University Hospital, Brno, Czech Republic²
The Role of Calcium-Binding Protein S100B in Neurodegenerative Diseases
- 16.00 **Erika Pálová¹, Eva Pálová^{2,3}, Ján Sabo¹** Pavol Jozef Safarik University of Kosice¹, L. Pasteur University Hospital, Kosice², Epamed Ltd. Kosice³, Slovakia
Neurobiology of Suicidal Behaviour – The Serotonergic System
- 16.15 **Eva Pálová^{1,2}, Peter Mirossay¹** L. Pasteur University Hospital, Kosice¹, Epamed Ltd. Kosice³, Slovakia
Changes in Polysomnography after a Single Dose of Trazodone 75 Mg in Depressive Patients with Insomnia - Pilot Study
- 16.30 **Numan M. Durakbasa¹, Göken Bas¹, Erol Güclü¹, Wolfgang Pirker²** Vienna University of Technology¹, Face Your Face Handels GmbH², Austria
An Innovative Technique for Successful Clinical Dental Implantation by Means of Quality Control and Surface Characterization Analyze
- 16.45 **Veronika Rajki, Zoltán Balogh, Judit Mészáros** Semmelweis University, Hungary
Hungarian Health Care Workers' Knowledge Regarding Blood Donation Based on a Survey
- 17.00 *Discussion*
- 17.30 *Summary*

OPTIONAL PROGRAMME

The Organisational Committee of the Conference would like to make your stay more pleasant by organising the

Gala Dinner

19.00, 10 April 2014

Venue: Main Building A/4. Assembly Hall (*Entry: only with invitation cards*)

Programme

<i>19⁰⁰ - 19²⁰</i>	<i>Performance of Miskolc Percussions Band</i>
<i>19³⁰ - 19⁴⁰</i>	<i>Inauguration of the honorary members of the conference</i>
<i>19⁴⁰ - 19⁵⁰</i>	<i>Awarding the Conference Memory Award</i>
<i>20⁰⁰ - 21³⁰</i>	<i>Dinner</i>

Party

21.45, 10 April 2014

Venue: Main Building A/4. Assembly Hall

Excursion to EGER

11 April 2014

<i>Departure:</i>	13.30
<i>Arrival in Miskolc:</i>	22.00
<i>Meeting place:</i>	outside the Main Building entrance of the university